AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A scroll display control device including a computer readable medium which stores a program for causing a computer to execute scroll-displaying, in synchronism with reproduction of series information ~~(PI)~~ correlated to text information ~~(TI)~~, the corresponding text information ~~(TI)~~ on a text display screen ~~(TW)~~, said scroll display control device ~~comprising~~comprising:

means ~~(101, 102, 103 and 104) for changing~~which changes a scroll speed ~~(v)~~ in said text display screen ~~(TW)~~ on the basis of a text quantity of said corresponding text information ~~(TI)~~ with respect to reproduction time of said series information ~~(PI)~~.

2. (currently amended): A scroll display control device ~~for~~ including a computer readable medium which stores a program for causing a computer to execute scroll-displaying, in synchronism with reproduction of series information ~~(PI)~~ correlated to text information ~~(TI)~~, the corresponding text information ~~(TI)~~ on a text display screen ~~(TW)~~, said scroll display control device comprising:

scroll speed calculation means ~~(102) for calculating~~which calculates a scroll speed ~~(v)~~ on the basis of at least a time length of a series information section presently ~~during~~ under reproduction and a quantity of the text belonging to a text section corresponding to the series information section during reproduction; and

control means ~~(104) for scroll-displaying~~ which scroll-displays the text belonging to the text section at a predetermined reference position of said text display screen ~~(TW)~~ according to said scroll speed ~~(v)~~.

3. (currently amended): The scroll display control device according to Claim 2, further comprising a text display setting information memory ~~(103) for variably storing~~which variably stores display setting information of the text displayed on said text display screen ~~(TW)~~;

wherein said scroll speed calculation means ~~(102)~~ calculates said scroll speed ~~(v)~~ of the text on the basis of the length of the series information section during reproduction, the quantity of the text belonging to the text section corresponding to the series information section during reproduction, and the display setting information.

4. (currently amended): The scroll display control device according to Claim 3, wherein said text display setting information memory ~~(103)~~ variably stores a plurality of scroll methods and said control means ~~(104)~~ scroll-displays the text according to the selected scroll method.

5. (currently amended): The scroll display control device according to Claim 3, wherein said text display setting information memory ~~(103)~~ variably stores a predetermined reference position of said text display screen ~~(TW)~~.

6. (currently amended): The scroll display control device according to Claim 3, further comprising a user instruction input means ~~(105)~~ for dynamically changing the text display setting information.

7. (currently amended): The scroll display control device according to Claim 2 or Claim 5, wherein text of a preceding text section ~~preceding~~ which precedes the text section and text of a succeeding text section ~~succeeding~~ which succeeds the text section are respectively displayed in two adjacent areas across the text section displayed at the reference position.

8. (currently amended): The scroll display control device according to Claim 2, further comprising a storage means ~~(101) for searchably storing~~which searchably stores the series information ~~(PI)~~ and the text information ~~(TI)~~.

9. (currently amended): The scroll display control device according to Claim 2, wherein the series information ~~(PI)~~ and the text information ~~(TI)~~ corresponding thereto ~~can be~~ is acquired by ~~making access to~~accessing a server ~~for providing~~which provides the series information ~~(PI)~~ and the text information ~~(TI)~~.

10. (currently amended): A scroll display control method~~, in a system for,~~ comprising:

~~in synchronism with reproduction of sound,~~ displaying text information ~~(TI)~~ corresponding to ~~the~~ sound in a scroll manner, ~~for displaying~~ such that the text information is

displayed in synchronism with reproduction of the sound by changing a scroll speed ~~(v)~~ adaptable to the sound during reproduction.

11. (currently amended): A scroll display control method~~, in a system, in synchronism with reproduction of a picture, for~~ comprising:

displaying and reading text information ~~(TI)~~ corresponding to ~~the~~ a picture in synchronism with reproduction of the picture in a scrolling manner, ~~for~~ and performing scroll display of said text information in synchronism with the reproduction of the picture by changing a scroll speed ~~(v)~~ adaptable to the picture under reproduction.

12. (currently amended): The scroll display control method according to Claim 11, wherein the text information ~~(TI)~~ to be displayed is text information belonging to a text section corresponding to the picture during reproduction and to preceding and succeeding text sections thereof.

13. (currently amended): The scroll display control method according to Claim 11, wherein when a text section corresponding to a picture reproduction position is changed, said scroll speed ~~(v)~~ is derived on the basis of a time length of a picture section corresponding to the picture reproduction position and a text quantity of the text section corresponding to the picture reproduction position.

14. (currently amended): The scroll display control method according to Claim 11 or Claim 13, ~~wherein said system has a changing function of the~~ further including changing a text display setting of the text to be synchronously displayed with reproduction of the picture, and

wherein, when the text display setting of the text is changed, said scroll speed ~~(v)~~ is derived on the basis of the changed text display setting of the text.

15. (currently amended): The scroll display control method according to Claim 14, wherein reproduction of the picture is one of still picture reproduction, n-time ~~(where, n is an integer equal to or greater than 1)~~ reproduction, n-time rewind reproduction, and slow reproduction, where n is an integer equal to or greater than 1.

16. (Original): The scroll display control method according to Claim 15, wherein the text quantity of the text section is increased by changing the text display setting when reproduction of the picture is either fast-forward reproduction of at least two-time fast-forward reproduction or rewind reproduction.

17. (currently amended): The scroll display control method according to Claim 15, wherein the text quantity of the text section succeeding ~~to~~ the text section corresponding to the picture under reproduction is increased by changing the text display setting when reproduction of the picture is slow reproduction.

18. (currently amended): A computer system ~~(40)~~ for scroll-displaying~~,~~ text information in synchronism with reproduction of picture information ~~(PI)~~ correlated to the text information ~~(TI), the corresponding text information (TI)~~, said computer system comprising:

display means ~~(406) for providing~~which provides a picture display screen ~~for displaying~~which displays picture information and a text display screen ~~for displaying~~which displays text information corresponding to the picture information;

a program control processor ~~(401) for controlling~~which controls display by said display means ~~(406)~~ of the picture information ~~(PI)~~ and the text information ~~(TI)~~; and

a computer readable medium ~~memory (407) for storing~~which stores a program executed by a computer on said program control processor, and

said program comprising:

a step ~~Step (409)~~ of calculating a scroll speed ~~(v)~~ on the text display screen on the basis of at least a time length of a picture section presently under reproduction and a quantity of the text belonging to a text section corresponding to the picture section; and

a step ~~(408)~~ of scroll-displaying the text belonging to the text section at a predetermined reference position of said text display screen according to the scroll speed ~~(v)~~.

19. (currently amended): ~~A computer program making~~ A computer-readable medium comprising a program for causing a computer ~~(40)~~ to realize series information-ready text display, ~~in synchronism with reproduction of series information (PI) correlated to text information (TI),~~ for scroll-displaying ~~the corresponding~~ text information ~~(PI)~~ on a text display screen in synchronism with reproduction of series information correlated to the text information, said computer program comprising:

a step ~~(409)~~ of calculating a scroll speed ~~(v)~~ of the text on the basis of at least a time length of a series information section presently ~~during~~ under reproduction and a quantity of the text belonging to a text section corresponding to the series information section during reproduction; and

a step ~~(408)~~ of scroll-displaying the text belonging to the text section at a predetermined reference position of the text display screen according to the scroll speed ~~(v)~~.

20. (new): The scroll display control device according to Claim 1, wherein a reproduction time is a time length of said series information.

21. (new): The scroll display control device according to Claim 1, wherein said scroll speed is increased if the text quantity increases with respect to said reproduction time and said scroll speed is decreased if the text quantity decreased with respect to said reproduction time.

22. (new): The scroll display control method according to Claim 14, wherein the changing of the text display setting includes at least one of changing a display reference position of a target text, changing of a text display area size indicative of a height and a width of a text display area, and changing of a display text character size indicative of a height and a width of a text character.

23. (new): The scroll display control method according to Claim 16, wherein the changing of the text display setting includes at least one of changing a display reference position of a target text, changing of a text display area size indicative of a height and a width of a text

display area, and changing of a display text character size indicative of a height and a width of a text character.

24. (new): The scroll display control method according to Claim 17, wherein the changing of the text display setting includes at least one of changing a display reference position of a target text, changing of a text display area size indicative of a height and a width of a text display area, and changing of a display text character size indicative of a height and a width of a text character.

25. (new): The scroll display control device according to Claim 1, wherein the series information is image information or sound information.

26. (new): The scroll display control device according to Claim 1, wherein the text quantity of said corresponding text information is an amount of text corresponding to the series information per unit time.

27. (new): The scroll display control device according to Claim 1, wherein the text quantity of said corresponding text information is a total number of characters included within said corresponding text information.

28. (new): The scroll display control device according to Claim 2, the quantity of the text belonging to the text section corresponding to the series information section is a total number of characters included within the text section.